



US-PAT-NO: 5308250

DOCUMENT-IDENTIFIER: US 5308250 A

TITLE: Pressure contact for connecting a coaxial shield to a microstrip ground plane

DATE-ISSUED: May 3, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP
CODE COUNTRY			
Walz, Dale D.	Colorado Springs	CO	N/A
N/A			

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP
CODE COUNTRY	TYPE CODE		
Hewlett-Packard Company	Palo Alto	CA	N/A
N/A	02		

APPL-NO: 07/ 968908

DATE FILED: October 30, 1992

INT-CL: [05] G01R001/06

US-CL-ISSUED: 439/63; 324/158P

US-CL-CURRENT: 439/63; 324/754

FIELD-OF-SEARCH: 439/63; 439/581 ; 439/482 ; 324/72.5 ; 324/158F ; 324/158P

REF-CITED:

U.S. PATENT DOCUMENTS

Details Text Image HTML FULL

	Document ID	Kind Codes	Source	Issue Date	Pages	
1	US 5982187 A		USPAT	19991109	10	Res:
2	US 5486767 A		USPAT	19960123	18	Metl
3	US 5414369 A		USPAT	19950509	12	Coil
4	US 5410260 A		USPAT	19950425	15	Coil
5	US 5394099 A		USPAT	19950228	8	Ele
6	US 5308250 A		USPAT	19940503	16	Pre
7	US 5225773 A		USPAT	19930706	6	Swi

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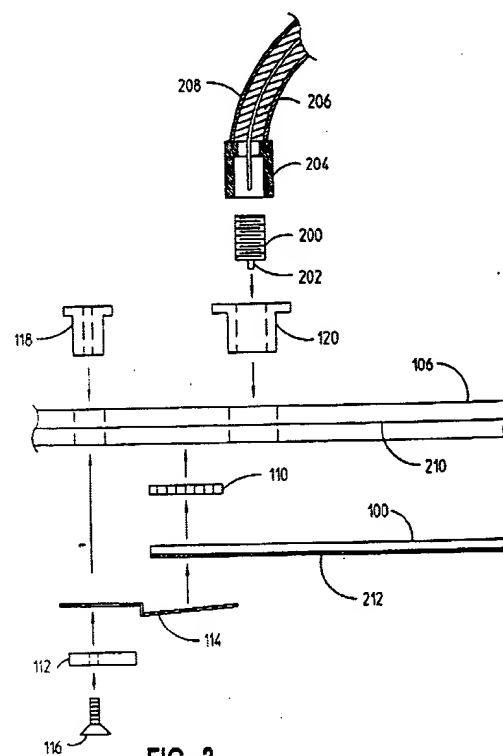


FIG 2

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for
09/453856

US-PAT-NO: 5793218

DOCUMENT-IDENTIFIER: US 5793218 A

TITLE: Generic interface test adapter

DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP
CODE COUNTRY			
Oster, Melvin G.	Newbury Park	CA	N/A
N/A			
Fuchs, Brian K.	Chatsworth	CA	N/A
N/A			
Reid, Kenneth	Marina del Rey	CA	N/A
N/A			

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP
CODE COUNTRY TYPE CODE			
Lear Astronics	Santa Monica	CA	N/A
N/A 02			
Corporation			

APPL-NO: 08/ 573026

DATE FILED: December 15, 1995

INT-CL: [06] G01R031/02

US-CL-ISSUED: 324/754; 324/761

US-CL-CURRENT: 324/754; 324/761

FIELD-OF-SEARCH: 324/754; 324/755 ; 324/758 ; 324/761 ; 324/158.1

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	Document ID	Kind Codes	Source	Issue Date	Pages	
1	US 6275054 B1		USPAT	20010814	10	Elect
2	US 6053777 A		USPAT	20000425	9	Coaxi
3	US 5959460 A		USPAT	19990928	9	High
4	US 5883519 A		USPAT	19990316	10	Defle
5	US 5793218 A		USPAT	19980811	14	Gener
6	US D371453 S		USPAT	19960709	3	Winte

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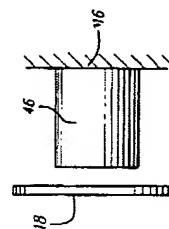


FIG. 5C

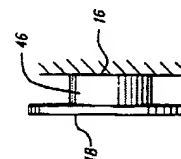


FIG. 5D

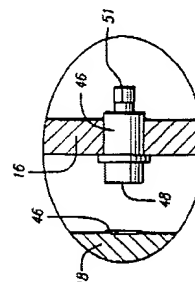


FIG. 5A

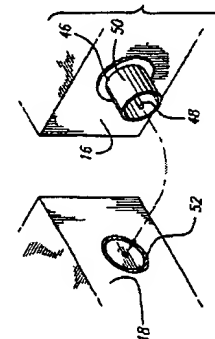


FIG. 5B

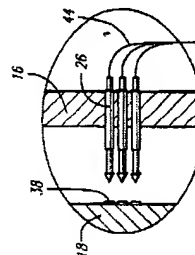


FIG. 4A

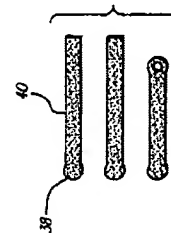


FIG. 4B

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Full

US-PAT-NO: 6053777

DOCUMENT-IDENTIFIER: US 6053777 A

TITLE: Coaxial contact assembly apparatus

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP
CODE	COUNTRY		
Boyle, Stephen A.	Attleboro	MA	N/A
N/A			

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP
CODE	COUNTRY	TYPE CODE	
Rika Electronics	Attleboro	MA	N/A
N/A	02		
International, Inc.			

APPL-NO: 09/ 145914

DATE FILED: September 2, 1998

PARENT-CASE:

RELATED APPLICATIONS Priority is claimed based on Provisional Application No. 60/070,475 filed Jan. 5, 1998.

INT-CL: [07] H01R013/24

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Apr. 25, 2000

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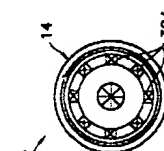


FIGURE 2

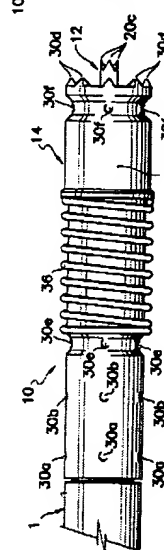


FIGURE 1

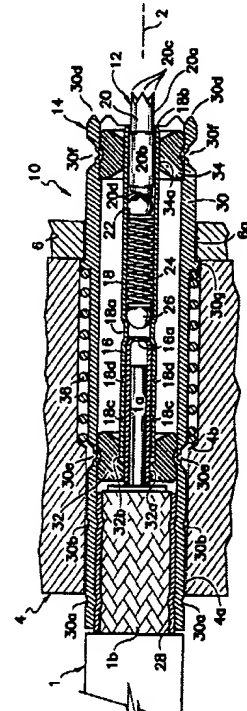


FIGURE 3

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	Document ID	Kind Codes	Source	Issue Date	Pages	
1	US 6275054 B1		USPAT	20010814	10	Ele
2	US 6160409 A		USPAT	20001212	43	Ins
3	US 6053777 A		USPAT	20000425	9	Coa
4	US 6037787 A		USPAT	20000314	10	Hig
5	US 6034532 A		USPAT	20000307	7	Res
6	US 5945835 A		USPAT	19990831	7	Rad

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US-PAT-NO: 5291129

DOCUMENT-IDENTIFIER: US 5291129 A

TITLE: Contact probe

DATE-ISSUED: March 1, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP
CODE COUNTRY			
Kazama; Toshio	Kanagawa	N/A	N/A
JP			

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP
CODE COUNTRY TYPE CODE			
NHK Spring Co., Ltd.	Yokohama	N/A	N/A
JP 03			

APPL-NO: 07/ 939852

DATE FILED: September 2, 1992

PARENT-CASE:

This is a continuation of application Ser. No. 07/652,088 filed Feb. 7, 1991, now abandoned, which is division of application Ser. No. 07/424,511. filed Oct. 20, 1989 now U.S. Pat. No. 5,004,977.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	63-138376	October 24, 1988

FULL

	Document ID	Kind Codes	Source	Issue Date	Pages	
5	US 6034532 A		USPAT	20000307	7	Res:
6	US 5945835 A		USPAT	19990831	7	Rad:
7	US 5818246 A		USPAT	19981006	11	Aut:
8	US 5793218 A		USPAT	19980811	14	Gen:
9	US 5459396 A		USPAT	19951017	13	Tes:
10	US 5291129 A		USPAT	19940301	19	Con:
11	US 5196789 A		USPAT	19930323	7	Coa:

FULL

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Mar. 1, 1994

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Fig. 7

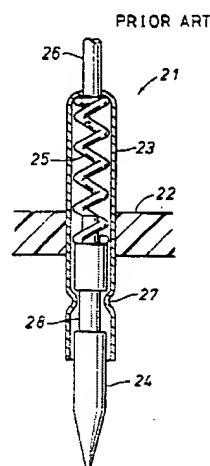
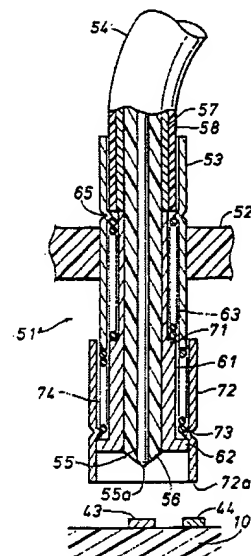


Fig. 15



FULL

Full



US-PAT-NO: 5291129

DOCUMENT-IDENTIFIER: US 5291129 A

TITLE: Contact probe

DATE-ISSUED: March 1, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP
CODE	COUNTRY		
Kazama; Toshio	Kanagawa	N/A	N/A
JP			

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP
CODE	COUNTRY	TYPE CODE	
NHK Spring Co., Ltd.	Yokohama	N/A	N/A
JP	03		

APPL-NO: 07/ 939852

DATE FILED: September 2, 1992

PARENT-CASE:

This is a continuation of application Ser. No. 07/652,088 filed Feb. 7, 1991, now abandoned, which is division of application Ser. No. 07/424,511, filed Oct. 20, 1989 now U.S. Pat. No. 5,004,977.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	63-138376	October 24, 1988

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	Document ID	Kind Codes	Source	Issue Date	Pages	
5	US 6034532 A		USPAT	20000307	7	Res:
6	US 5945835 A		USPAT	19990831	7	Rad:
7	US 5818246 A		USPAT	19981006	11	Aut:
8	US 5793218 A		USPAT	19980811	14	Gen:
9	US 5459396 A		USPAT	19951017	13	Tes:
10	US 5291129 A		USPAT	19940301	19	Con:
11	US 5196789 A		USPAT	19930323	7	Coa:

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Mar. 1, 1994

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Fig. 11

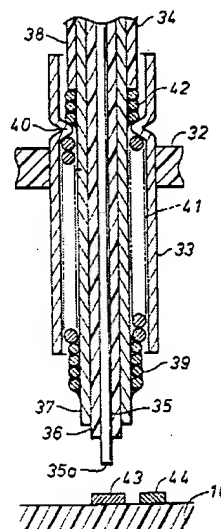
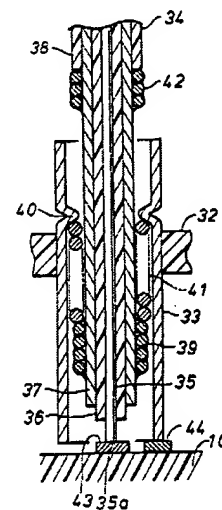
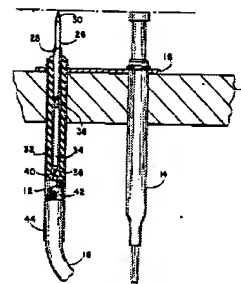


Fig. 12



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11 Claims, 2 Drawing Sheet

 Details
 Text
 Image
 HTML

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cooperating with a stud of the electronic card,

FIG. 5 is a corresponding plan view,

FIG. 6 is a view similar to FIG. 4, but for another relative position of the device and the stud,

FIG. 7 is a plan view corresponding to FIG. 6,

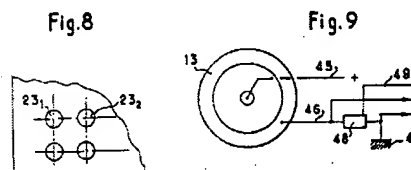
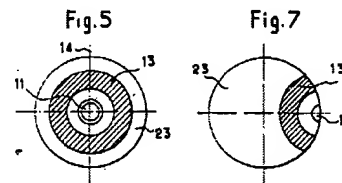
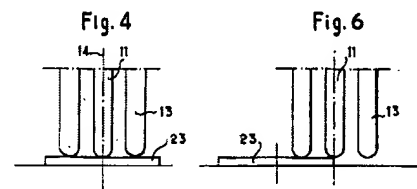
FIG. 8 is a view of a card portion,

FIG. 9 is a view of an installation adapted for cooperating with a contact device.

(1) DETAILED DESCRIPTION OF EMBODIMENTS

(2) A contact device comprises a central finger 11 (FIGS. 1 and 2), cylindrical, with its operating end 12 rounded, advantageously spherically, made of a conductive material, surrounded at a distance by a conductive sleeve 13 or annular member of same axis 14 as finger 11, an insulating member which, in this example, is provided by a jacket 15, being interposed between the outer surface 16 of the finger and the inner surface 17 of the sleeve 13.

(3) In an embodiment, the finger 11 has a diameter of 0.2 mm. The sleeve 13, the operational end portion of which is made by a portion of a toric surface



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